No.



8300025

<u>THIE UNKHED SHAYIES OF AVIERICA</u>

North American Plant Breeders

Talicreas, there has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, therefore, this certificate of plant variety protection is to grant unto the said applicant(s) and the successors, heirs or assigns of the said applicant(s) for the term of eighteen years from the date of this grant, subject to the payment of the required fees and periodic replenishment of viable basic seed of the variety in a public repository as provided by LAW, the right to extude others from selling the variety, or offering it for sale, or reproducing it, it forting it, or exporting it, or using it in producing a hybrid or different therefrom, to the extent provided by the Plant Variety Protection Act 1542, as amended, 7 u.s.c. 2321 et seq.)

SOYBEAN

'HP 3033S'

In Ecstimony Wincrot, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 27th day of January in the year of our Lord one thousand nine hundred and eighty-four.

John R Block

Secretary of Agriculture

nuesi: 11 1

Commissioner Plant Variety Protection Office Grain Division

Scain Invision Agricultural Marketing Service

U.S. DEPARTMEN AGRICULTURAL M	ARKETING SERV	VICE	FORM APPROVED: OMB NO. 05	81-000
LIVESTOCK, MEAT, G			No certificate for plant variety pr	
APPLICATION FOR PLANT VAR	ETY PROTE	CTION CERTIFICATE	may be issued unless a complete cation form has been received (§	
(Instruction	s on reverse)		553).	, 0.3.
1. NAME OF APPLICANT(S)		2. TEMPORARY DESIGNATION	3. VARIETY NAME	
North American Plant Breed	ers		HP 3033S	
4. ADDRESS (Street and No. or R.F.D. No., City, Sta 5201 Johnson Drive	te, and Zip Code)	5. PHONE (Include area code)	FOR OFFICIAL USE ONLY PVPO NUMBER	
P.O. Box 2955			8300025	10
Mission, Kansas 66205		(913) 384-4940	6300023	
6. GENUS AND SPECIES NAME	7. FAMILY NA	ME (Botanical)	DATE	
Glycine max	Legumi	nosae	12/29/82	
8. KIND NAME		DATE OF DETERMINATION	1:30 A.M. LX	P,M.
Soybean	9.	January 1975	\$ 1,000 DATE 12/29/82 AMOUNT FOR CERTIFICA	
1.			12/29/82	
 IF THE APPLICANT NAMED IS NOT A "PERSO partnership, association, etc.) 	N," GIVE FORM	OF ORGANIZATION (Corporation	AMOUNT FOR CERTIFICA	TE
	A Company of the Comp		\$ _500.00	
Partnership			□ DATE 1/4/84	
11. IF INCORPORATED, GIVE STATE OF INCORPO	PRATION		12. DATE OF INCORPORATION	
13 NAME AND ADDRESS OF ARRIVOANT DEPOPE				
13. NAME AND ADDRESS OF APPLICANT REPRES	SENATIVE(S), IF			š
North American Plant Bree	adore	Dr. Wayne R. Elli North American Pl	ngson ant Brooders	
P. O. Box 2955	GELP	R.R. 2, Hwy 30 Ea		
Mission, KS 66201		Ames, IA 50010	36	
14. CHECK APPROPRIATE BOX FOR EACH ATTAC	HMENT SUBMIT	TED 30010		
a. X Exhibit A, Origin and Breeding History of the Section 52 of the Plant Variety Protection Ac	e Variety (See	c. Exhibit C, Objective E from Plant Variety Pro	Description of the Variety (Request for	m
b. X Exhibit B, Novelty Statement	/		Description of the Variety	
15. DOES THE APPLICANT(S) SPECIFY THAT SEEI SEED? (See Section 83(a) of the Plant Variety Pro	O OF THIS VARII			_
16. DOES THE APPLICANT(S) SPECIFY THAT THIS LIMITED AS TO NUMBER OF GENERATIONS?		·	items 16 and 17 below) WHICH CLASSES OF PRODUCTION	X] No
Yes No		<u></u>		
18. DID THE APPLICANT(S) FILE FOR PROTECTION	N OF THE VARI	FTY IN THE U.S. OR OTHER COL	Registered Certif	ied
			Yes (If "Yes," give of countries and de	
			X No	
19. HAVE RIGHTS BEEN GRANTED IN THE U.S. O	OTHER COUNT	TRIES?	Yes (If "Yes," give	e name.
			of countries and d	ates)
20. The applicant(s) declare(s) that a viable samp plenished upon request in accordance with su	le of basic seeds ch regulations a	of this variety will be furnished s may be applicable.	with the application and will be a	re-
The undersigned applicant(s) is (are) the owned distinct, uniform, and stable as required in Se Variety Protection Act.	er(s) of this sexu	ially reproduced novel plant yar	iety, and believe(s) that the variet provisions of Section 42 of the F	y is Plant
Applicant(s) is (are) informed that false repre-	sentation herein	can jeopardize protection and 1	result in penalties.	
SIGNATURE OF APPLICANT			DATE	
Wayne Elleran			11/8/82	
SIGNATURE OF APPALICANT	Man		11/8/82 DATE 11-24-82	1

FORM LMGS-470 (9-81) (Edition of 1-78 is obsolete)

"EXHIBIT A" Origin and Breeding History of 'HP 3033S'

- 1. HP 3033S originated in Iowa from a hand pollinated cross of 'Marshall' x 'Agripro 26'. The cross was made during the summer of 1972. The F₁ and F₃ generations were grown in a Puerto Rico winter nursery during the winter of 1972-73 and 1973-74. The F₂ and F₄ generations were grown in Iowa in 1973 and 1974. Early generations were advanced using a modified single seed descent technique. Single plants of the cross were selected and planted in Iowa during the summer of 1975. HP 3033S was F₄ derived.
- 2. In 1978, single plants of the variety were reselected and grown in progeny rows in 1979. Only rows conforming to a standard were harvested and bulked.

The genetic make-up of the variety was stabilized in the fifth generation (1974). The variety has remained stable and the sole purpose for reselection was for beginning multiplication for commercial seed stock production. The variety is essentially not changed, but only mixtures removed that have occurred during the two years of yield trials.

- 3. HP 3033S has been in yield trials since 1977. Ordinarily it would have entered tests in 1976, but due to budget constraints, we held the variety in cold storage that year. See attached for 1977-81 data. HP 3033S has only been tested under one experimental designation, EX 1051.
- 4. Discernible variants are not an inherent component of the variety.

^ FORM GR-470-2 (6-15-72)

UNITED STATES DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE GRAIN DIVISION HYATTSVILLE, MARYLAND 20782

OBJECTIVE DESCRIPTION OF VARIETY

EXHIBIT C (Soybean)

INSTRUCTIONS: See Reverse. SOYBEAN (GL	YCINE MAX)
Name of Applicant(s) North American Plant Breeders	FOR OFFICIAL USE ONLY
ADDRESS (Street and No., or R.F.D. No.; City, State, and ZIP Code)	PVPO NUMBER 8300025
5201 Johnson Drive P.O. Nox 2955	VARIETY NAME OR TEMPORARY DESIGNATION
Mission, KS 66205	HP 3033S(EX 1051)
Place the appropriate number that describes the varietal cha	racter of this variety in the boxes below.
). SEED SHAPE:	P45 4/7/83
x 4 1 = SPHERICAL 2 = SPHERICAL 3 = ELONGA	
2, SEED COAT COLOR:	STORE CONTINUE OF SHADE: WAS CONTINUED
1 = YELLOW 2 = GREEN 3 = BROWN 5 = OTHER (Specify)	4 = BLACK 2 1 = LIGHT 2 = MEDIUM 3 = DARK
3. SEED COAT LUSTER:	4. SEED SIZE
2 1 = DULL 2 = SHINY	2 2 GRAMS PER 100 SEEDS
5. HILUM COLOR:	SHADE:
1 = BUFF 2 = YELLOW 3 = BROWN 4 = GRAY	5 = IMPERFECT 2 MEDIUM 3 = DARK
6 = BLACK 7 = OTHER (Specify)	BLACK 2 1 = LIGHT 2 = MEDIUM 3 = DARK
6. COTYLEDON COLOR: RJS	7. LEAFLET SIZE (See Reverse):
Z 1 1 = YELLOW 2 = GREEN	3 1 = SMALL 2 = MEDIUM 3 = LARGE
8. LEAFLET SHAPE:	
1 = OVATE 2 = OBLONG 3 = LANCEOLATE 4 =	ELLIPTICAL 5 = OTHER (Specify)
9. LEAF COLOR (See reverse):	10. FLOWER COLOR:
2 = MEDIUM GREEN 3 = DARK	GREEN 1 = WHITE 2 = PURPLE 3 = OTHER (Specify)
11. POD COLOR:	12: POD SET:
l = TAN 2 = BROWN 3 = BLACK	1 = scattered 2 = concentrated
13. PLANT PUBESCENCE COLOR:	SHADEL
1 = GRAY 2 = BROWN 3 = OTHER (Specify).	1 = LIGHT 2 = MEDIUM 3 = DARK
14. PLANT TYPES (See Reverse):	15. PLANT HABIT:
2 1 = SLENDER 2 = BUSHY 3 = INTERMEDIATE	1 = DETERMINATE 2 = INDETERMINATE 2 3 = OTHER (Specify)
16. HYPOCOTYL COLOR:	17. SEED PROTEIN: Not Required
2 l=green 2=purple	1=A 2=B
18. NUMBER OF DAYS TO FLOWERING 19. MATURITY GROUP:	
days are 9 or less.)	2 = 0 $3 = 1$ $4 = 11$ $5 = 1114 = 0$ $4 = 0$ $5 = 0$ $4 = 0$
20. SIZE OF 10 DAY OLD SEEDLING GROWN UNDER CONSTANT LIGHT (e.g. 0 2) when size is 9 mm. or less.) NOT Required	T (Growth Chamber) AT 25° C. (Place a zero in first box
MM. LENGTH MM. LENGTH OF SEEDLING OF COTYLEDON	MM. WIDTH
21. DISEASE: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)	
0 BACTERIAL 0 SOYBEAN 0 DOWNY 0 MILDEW	PURPLE 0 POD AND 0 ROOT STAIN STEM BLIGHT KNOT
0 FROGEYE 0 STEM 2 PHYTO- R1 0 PHTHORA	BROWN 0 TARGET 0 BROWN SPOT
0 BUD BLIGHT 0 WILDFIRE 0 RHIZOCTONIA ROT	OTHER (Specify)

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant shape	Marshall	Petiole angle	Agripro 26
Leaf shape	Mitchell Mitchell	Seed size	Marshall
Leaf color	Agripro 20	Seed shape	Agripro 26
Leaf surface	Marshall	Seedling pigmentation	Agripro 26

		SUBMITTED			

	NO. OF DAYS	LODGING	PLANT	LEAF	SIZE	CON	TENT	AVERAGE NO.	IODINE NO	
VARIETY	TO MATURITY	SCORÉ	HEIGHT	Width	Length Protein		Oil	OF PODS PER PLANT	IODINE NO.	
Submitted	125	1.5	5 40 in	9.1cm	12.0cm		%	33	ND	
Name of similar variety Agripro 26	130	1.8	42 in	9.0cm	12.3cm			36	ND	

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for completing this form:

- 1. Scott, Walter O. and Samuel R. Aldrich, 1970, Modern Soybean Production, The Farmer Quarterly.
- 2. Norman, A. G., 1963, The Soybean: Genetics, Breeding, Physiology, Nutrition, Management.
- 3. McKie, J. W., and K. L. Anderson, 1970, The Soybean Book.

LEAF COLOR: Nickerson's or any recognized color fan may be used to determine the leaf color of the described variety. The following Soybean varieties may be used as a guide to identify the colors listed on the form.

COLOR	VARIETY
Light Green	''Ada''
Medium Green	"Wilkin"
Dark Green	"Swift"

LEAF SIZE: The following varieties may be used as a guide to identify the relative size leaves.

SIZE			•	VARIETY
Small				"Amsoy"
Medium		٠. س		"Bonus"
Large			 1.	"Anoka"

PLANT TYPE: The following varieties may be used as a guide to identify the plant type.

TYPE	VARIETY
Slender	''Vansoy''
Intermediate Bushy	"Wirth"
Bushy	"Adelphia"

NNS 1051 - 75

Group II (similar to Beeson) Average standability Good emergence score (2.0)*

Average shattering resistance Good PRR field resistance (2.8

Imperfect black hilum Purple hypocotyle color Purple flowers Gray pubescence

Shiny seed coat luster Large seed size (2180 seed/pound)

				. N 	1980 Aver	Ade (NAPR)			1981 NAPB 1	ata Summa	ıry	
	, Variety	Maturity	Heigh	Lodging*	Wide Row	Narrow Row	1979-1980 Averag	o) l	Maturity	Height	ging	Wide Row
30335	EX 1051	09-22	41	2.6	48.9	48.9 46.6	48.6	1 AP 30335 EX 1051	9-23 40	40	8.5	45.7
	Amsoy 71	09-21	45	2.7	44.0	44.8	45.0	A2858	9-20	34	6,3	42.9
	Agripro 20	12-60	45	2.2	43.7	40.3	45.0	Century	9-20	38	2.3	43.3
	Beeson	09-25	42	5.6	•	1	•	Agripro 25	9-56	40	2.4	43.9

Agripro 25

52.1

09-28

Ågripro 25 Beeson

Galesburg

40.8

5.8

NAPB - Yield by Location - Wide Rows (30 inch) æ

11	:	1						٠.
1980	Tekamah NE	57.6	53.6	53.0		55.9	7.6	55.0
1979	Wauseon	50.3	48.5	51.7	45.6	53.6	6.5	50.2
1979	Syracuse IN	42.7	43.0	47.0	44.6	45.1	7.2	45.1
1979	Brookston IN	48.9	44.6	48.8	47.1	53.9	4.2	48.1
1979	Galesburg IL	57.2	52.1	54.4	53.5	55.3	4.4	55.1
1979	Ames	53.5	43.4	46.4	41.7	49.0	4.6	49.1
1979	Tekamah Ames G NE IA	44.8	44.2	47.0	43.0	43.3	3.7	44.4
1978	Wauseon OH	49.9	•	1 a 1 1 15	47.8	51.0	4.7	47.1
1978	Brookston IN	42.2		•	38.9	38.1	4.6	39,2
1978	Peor 18 IL	50.0	1	•	46.3	46.4	4.2	
1977	Peor ta IL	55.9	55.4		1.	55.4		1 1
		AP 30335' EX 1051	Amsoy 71	Agripro 20	Beeson	Agripro 25	(30.) USJ	Mean
		7HP =						

Scored on a 1-5 basis, 1=best

	U. UNIVERSITY INTAIS - 1981				
7	Varioto	State University	Ohio Sta Mostern	Obio State University	الج
-		56.5		29.8	1.
19. 19.	Amsoy 71	50.4	4		•
	Century	53.5	1	•	
	Pella		52.4	26.5	38.
	Agripro 25	•	52.3	27.8	,
	(90') OST	4.5	6.3	5.1	m
	Mean Mean	57.4	55.1	25.1	40.
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	Variety	1980 Oskaloosa IA	1980 Brookston IN	1980 Wauseon OH	Variety	1981 Clarksville OH	1981 Urbana IL	1981 Danville IN	1981 Oskaloosa IA	1981 VanWert
30335	, EX 1051	47.1	48.0	47.3	EX 1051	51.6	37.0	46.6	39.1	54.2
······	Amsoy 71	41.8	37.9	44.8	A2858	38.2	44.9	44.9	33.8	53.0
y	Agripro 20	39.6	40.2	48.6	Century	34.0	43.9	50.0	37.7	50.9
	Beeson		•	2	Agripro 25	36.1	51.4	43.6	39.5	49.0
	Agripro 25	50.4	54.2	51.8	(30.) dSJ	10.5	8.8	S	4.8	7.7
	LSD (.05)	5 6	6.5	7.9	Mean	45.5	44.0	48.3	41.1	47.4

(inch)
S (7)
/ Row
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Location
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- Yield by
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NAPB
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1980 Oskaloosa 1A	45.5	47.4	35.5	1	47.5	9.9	44.0
1980 Galesburg IL	42.2	39.5	38.1		48.7	7.6	42.1
1980 Ames IA	56.7	53.2	47.9	1	54.9	6.5	53.2
1980 Tekamah NE	41.9	39.1	39.6		44.1	6.2	41.2
Variety	s' EX 1051	Amsoy 71	Agripro 20	Beeson	Agripro 25	LSD (.05)	Mean

"EXHIBIT B"

Novelty is based on the unique combination of the following characters:

'HP 30338' is most similar to the variety 'Apripro 26'. However, HP 30338 differs from Agripro 26 in maturity and pod color.

- 1. HP 3033S is Group II maturity where Agripro 26 is Group III.
- 2. HP 3033S has tan pods where Agripro 26 has brown.

BILL OF SALE AND ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS that AGRIPRO BIOSCIENCES INC., a Delaware corporation (hereinafter referred to as "Seller"), pursuant to that certain Asset Purchase Agreement of even date herewith by and between Seller and AGR ACQUISITION CORPORATION, a Delaware corporation (hereinafter referred to as "Buyer") and for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, does hereby grant, bargain, sell, and interest in and to the plant varieties owned/registered by seller and more particularly set forth on Exhibit A attached hereto for which PVP Certificates have been issued by or may be pending before the U. S. Department of Agriculture.

TO HAVE AND TO HOLD UNTO PURCHASER, its successors and assigns forever.

IN WITNESS WHEREOF, Seller has executed this Bill of Sale and Assignment as of the 30th day of June, 1994.

AGRIPRO BIOSCIENCES INC.

BY:	V.a. Sama	
Title:	Pros. dent	

STATE OF KANSAS, COUNTY OF JOHNSON

WITNESS my hand and Notarial Seal at office the day and year above written.

Notary Public Thermed

My Commission Expires:

ALMA M. WEAVER

NOTARY PUBLIC

CONTE OF KANSAS

My Appt. Exp.

State of Delaware Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "AGR ACQUISITION CORPORATION", CHANGING ITS NAME FROM "AGR ACQUISITION CORPORATION" TO "AGRIPRO SEEDS, INC.", FILED IN THIS OFFICE ON THE THIRTIETH DAY OF JUNE, A.D. 1994, AT 4:30 O'CLOCK P.M.

A CERTIFIED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS FOR RECORDING.

SECRETARY OF STATE AUTHENTICATION:

7169071

944121584

8100

2394087

DATE:

abi shawnee Msn

<u> 2</u>002/002

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
AGR ACQUISITION CORPORATION

AGR Acquisition Corporation, a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware,

DOES HEREBY CERTIFY:

FIRST: that the Board of Directors of said corporation, by the unanimous written consent of its members filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of said corporation:

RESOLVED, that the Certificate of Incorporation of this corporation be amended by changing the Article thereof numbered "ARTICLE I" so that, as amended, said Article shall be and read as follows:

"ARTICLE I

Namo

The name of the corporation (hereinafter called the 'Corporation') is Agripro Seeds, Inc."

SECOND: That in lieu of a meeting and vote of stockholders, the sole shareholder of the corporation has given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

FOURTH: That the capital of said corporation shall not be reduced under or by reason of said amendment.

IN WITNESS WHEREOF, said AGR Acquisition Corporation has caused this certificate to be signed by Gary T. Hancock, its President, and attested by Ann Steelman, its Secretary, this 30 day of June, 1994.

AGR ACQUISITION CORPORATION

BY:

ary T. Hangock, President

ATTEST:

BY: Am Steelman, Secretary